
NIH Extramural Trends

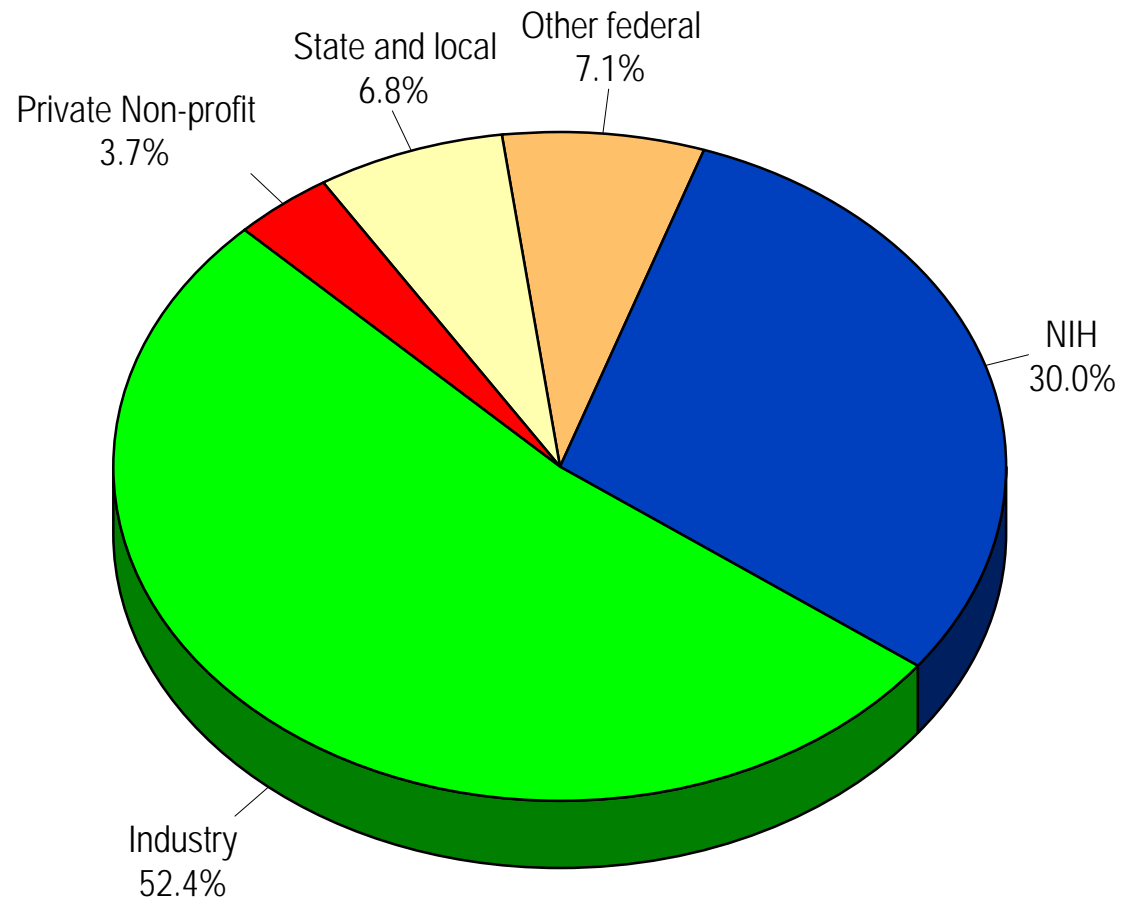
Presentation to the Association of Independent Research Institutes

Prepared by: Office of Reports and Analysis, Office of Extramural Research
Office of the Director, National Institutes of Health
For more information contact GrantsInfo@NIH.GOV

October 1999

Health Research and Development

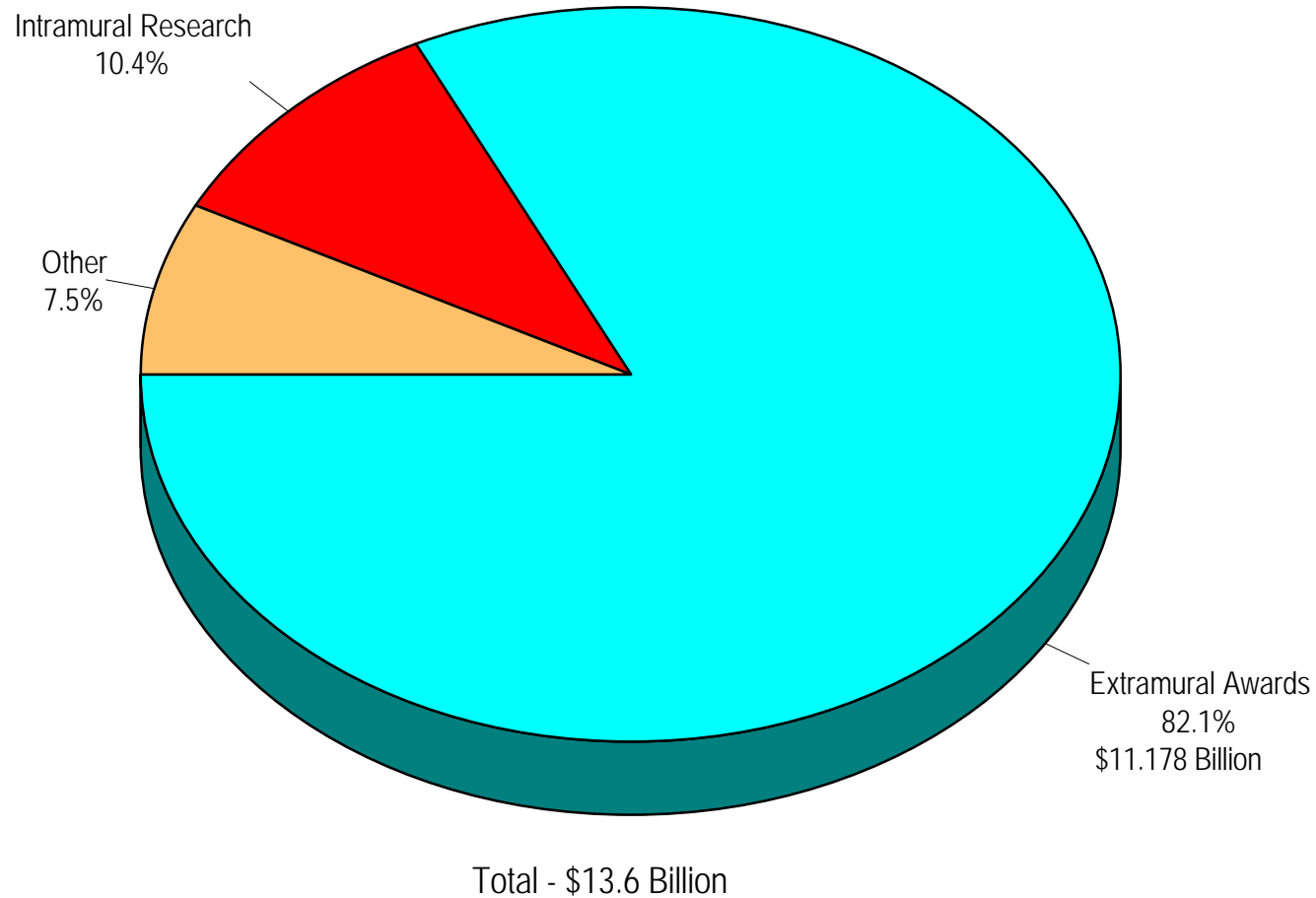
FY 1995



Source: NIH/OD/OER/ORR

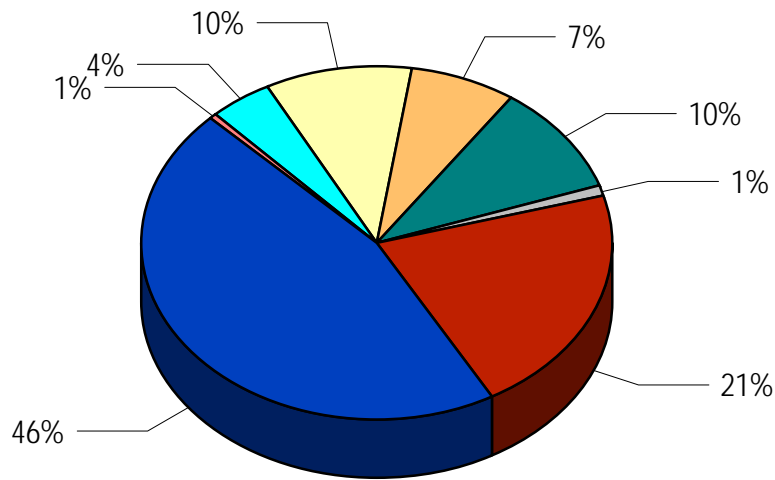
Distribution of the NIH Budget

FY 1998

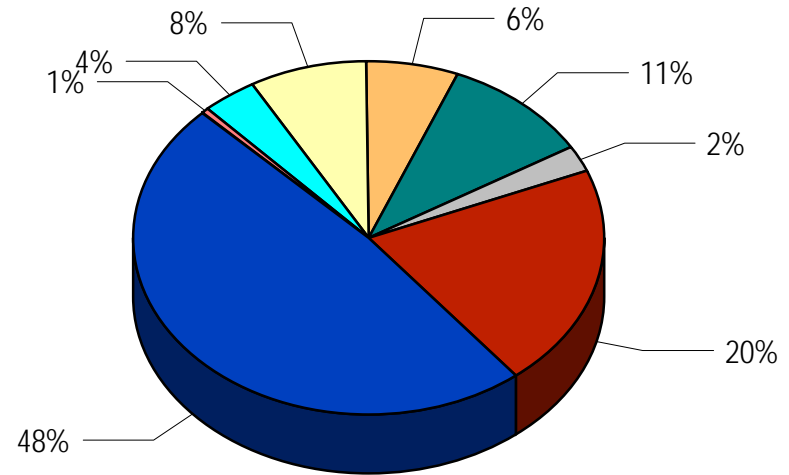


Source: NIH/OD/OER/ORR

NIH Extramural Awards by Activity FY 1989 and FY 1998



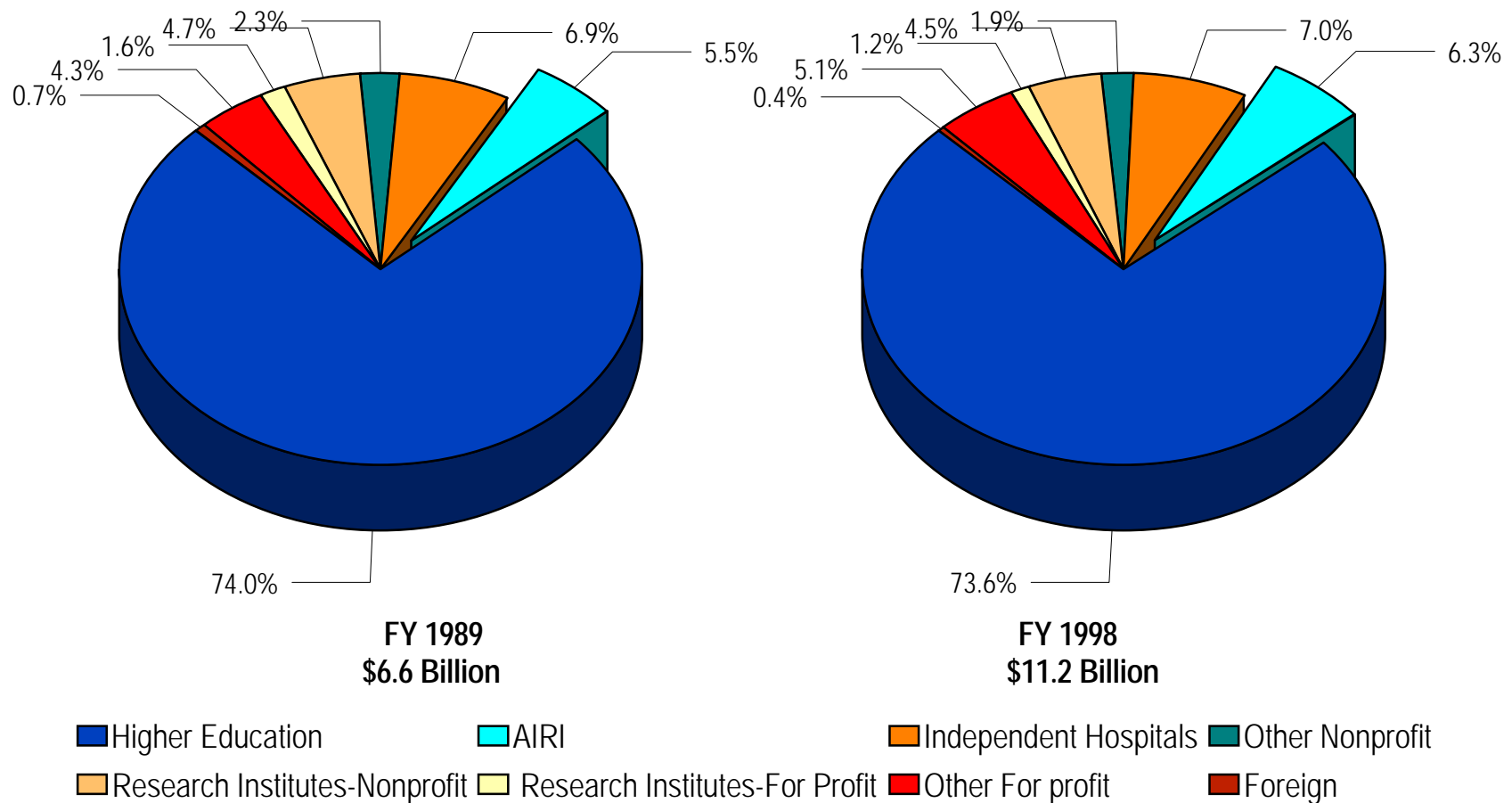
FY 1989
\$6.6 Billion



FY 1998
\$11.2 Billion

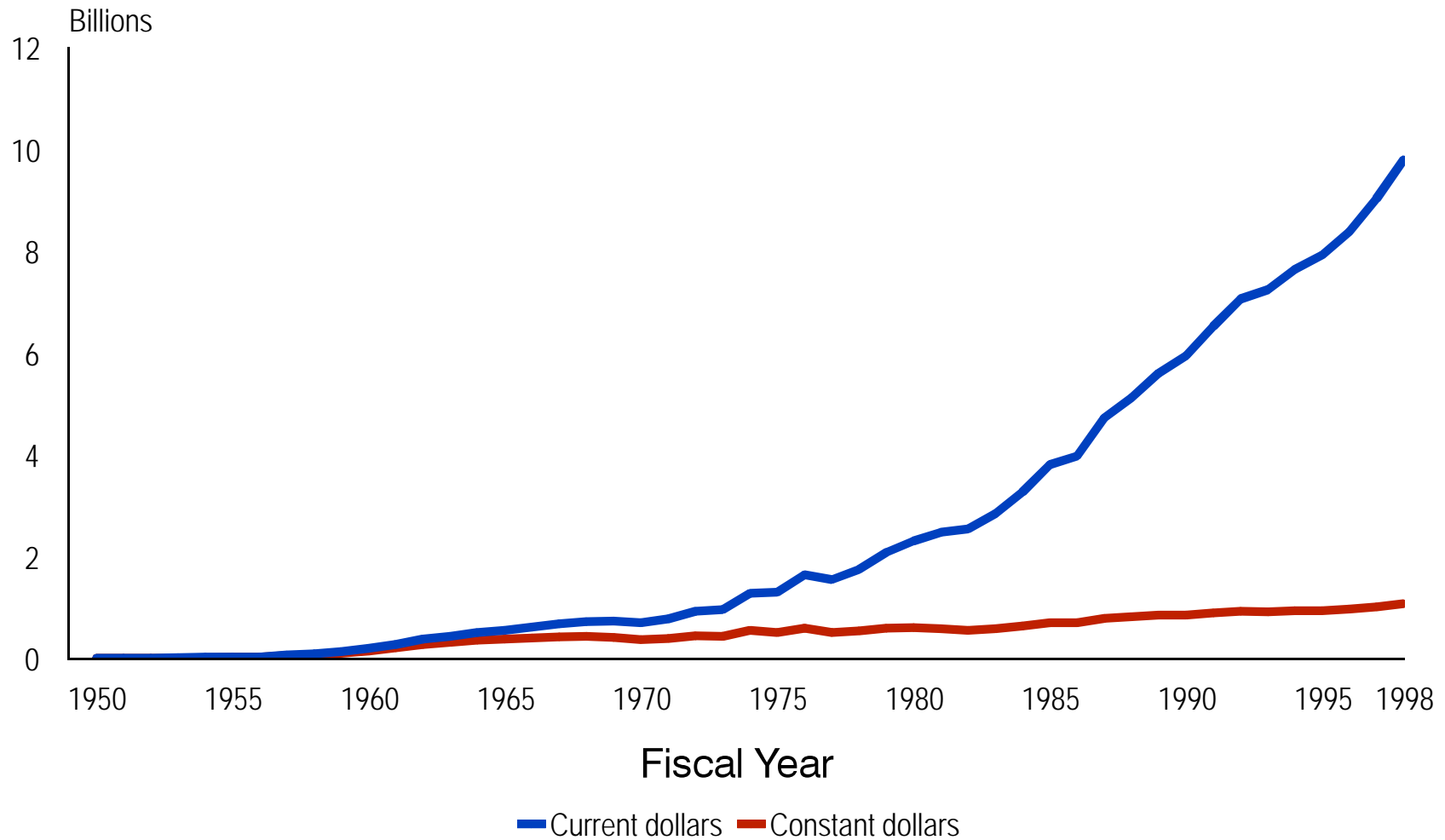
■ Traditional RPG (R01)	■ Other RPG	■ SBIR/STTR	■ Research Centers
■ Other Research Grants	■ R&D Contracts	■ NRSA	■ Remaining Extramural

NIH Extramural Awards by Kind of Institution FY 1989 and FY 1998



Source: NIH/OD/OER/ORR

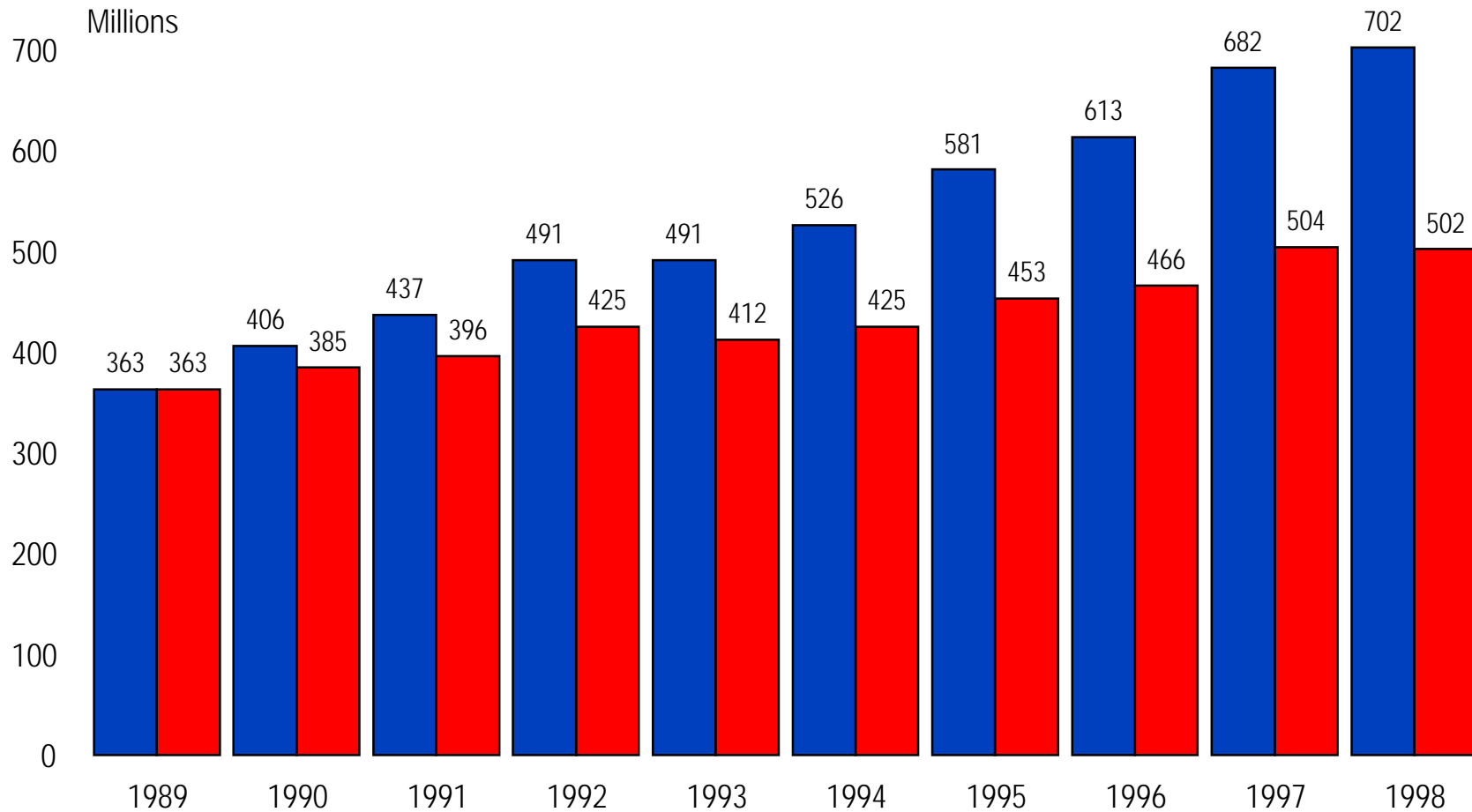
Growth in NIH Research Grants, FY 1950 - 1998



FY 1950 = 100.0

Source: NIH/OD/OER/ORR

Total NIH Support to AIRI Institutions*, FY 1989 - 1998

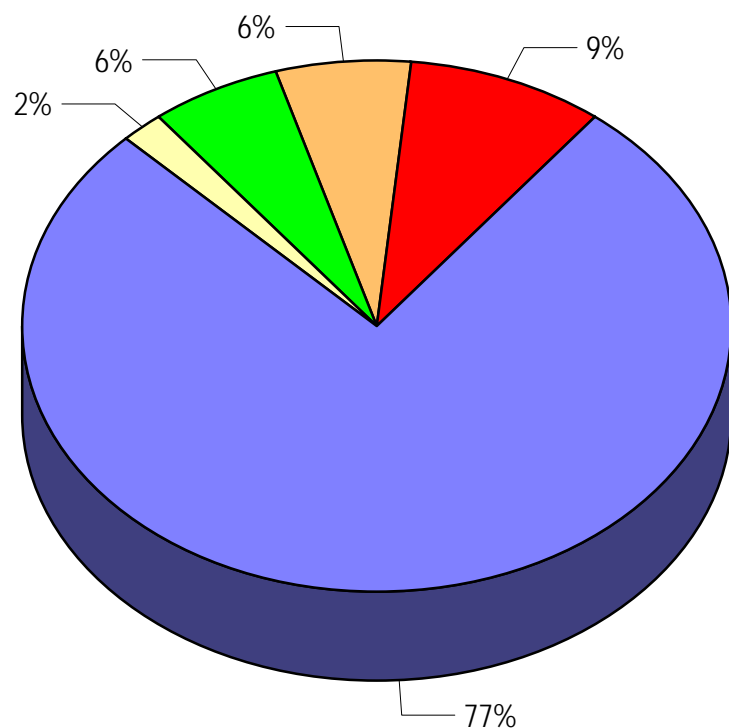


*Based on 1999 membership

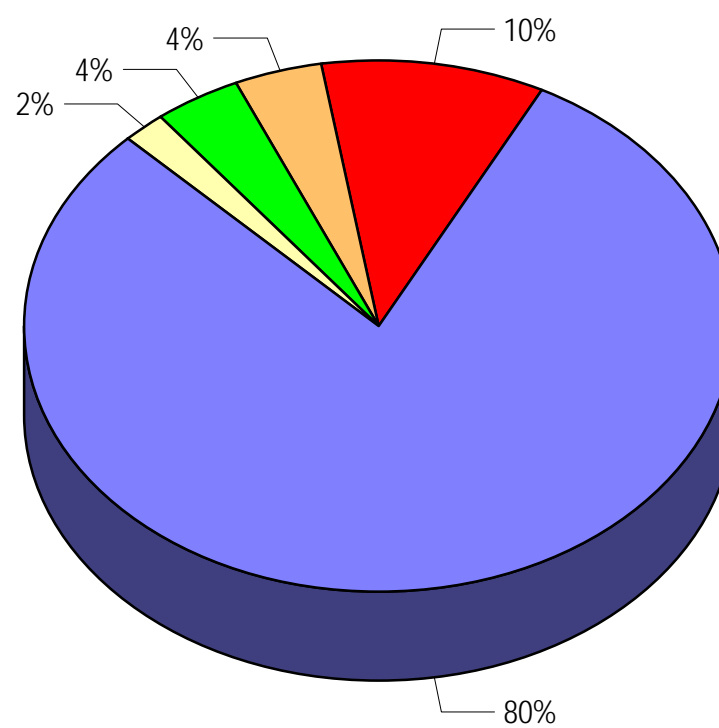
BRDPI: FY 1989=100

Source: NIH/OD/OER/ORR

NIH Extramural Awards Received by AIRI Institutions by Mechanism FY 1989 and FY 1998



FY 1989
\$363 Million

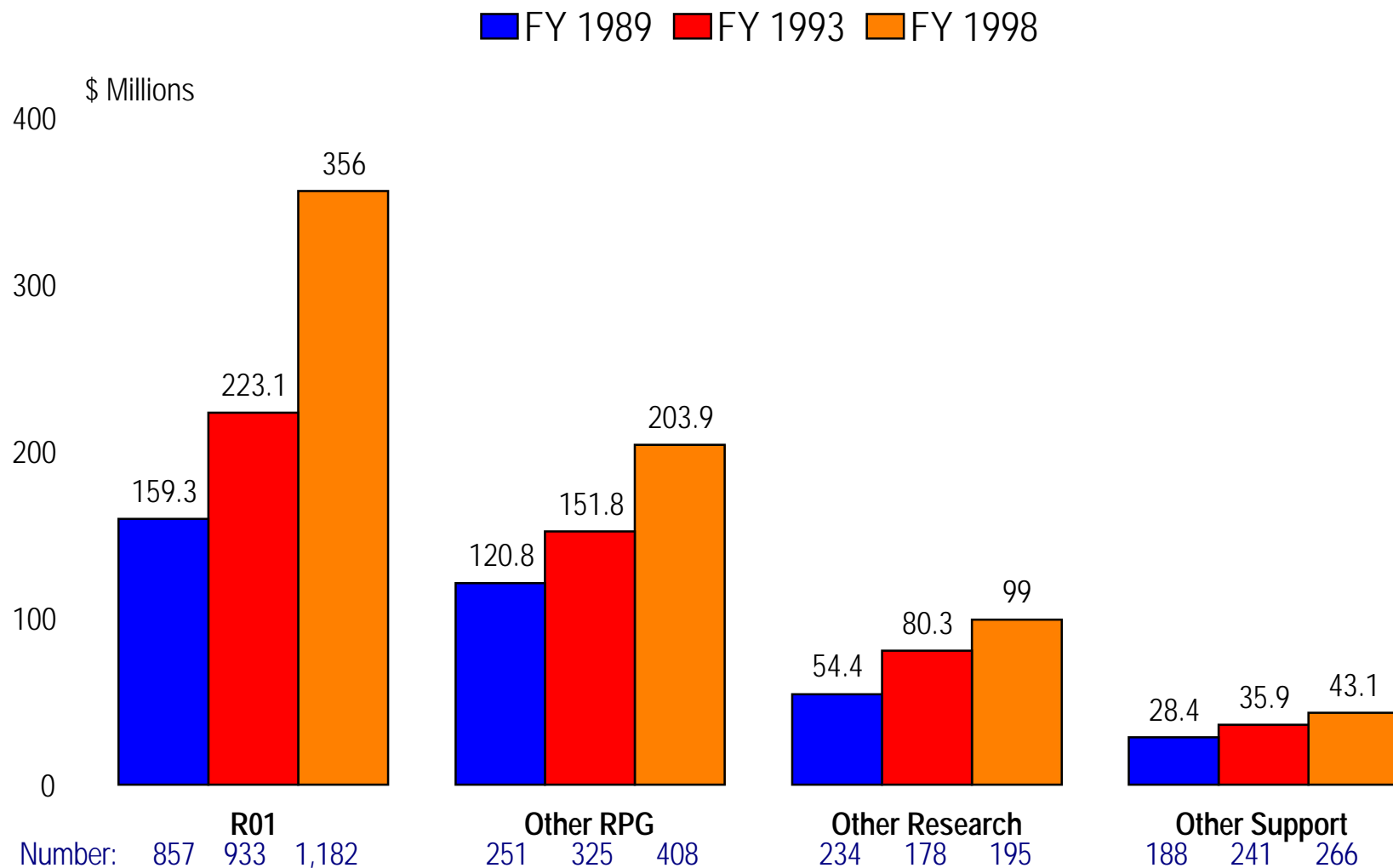


FY 1998
\$702 Million

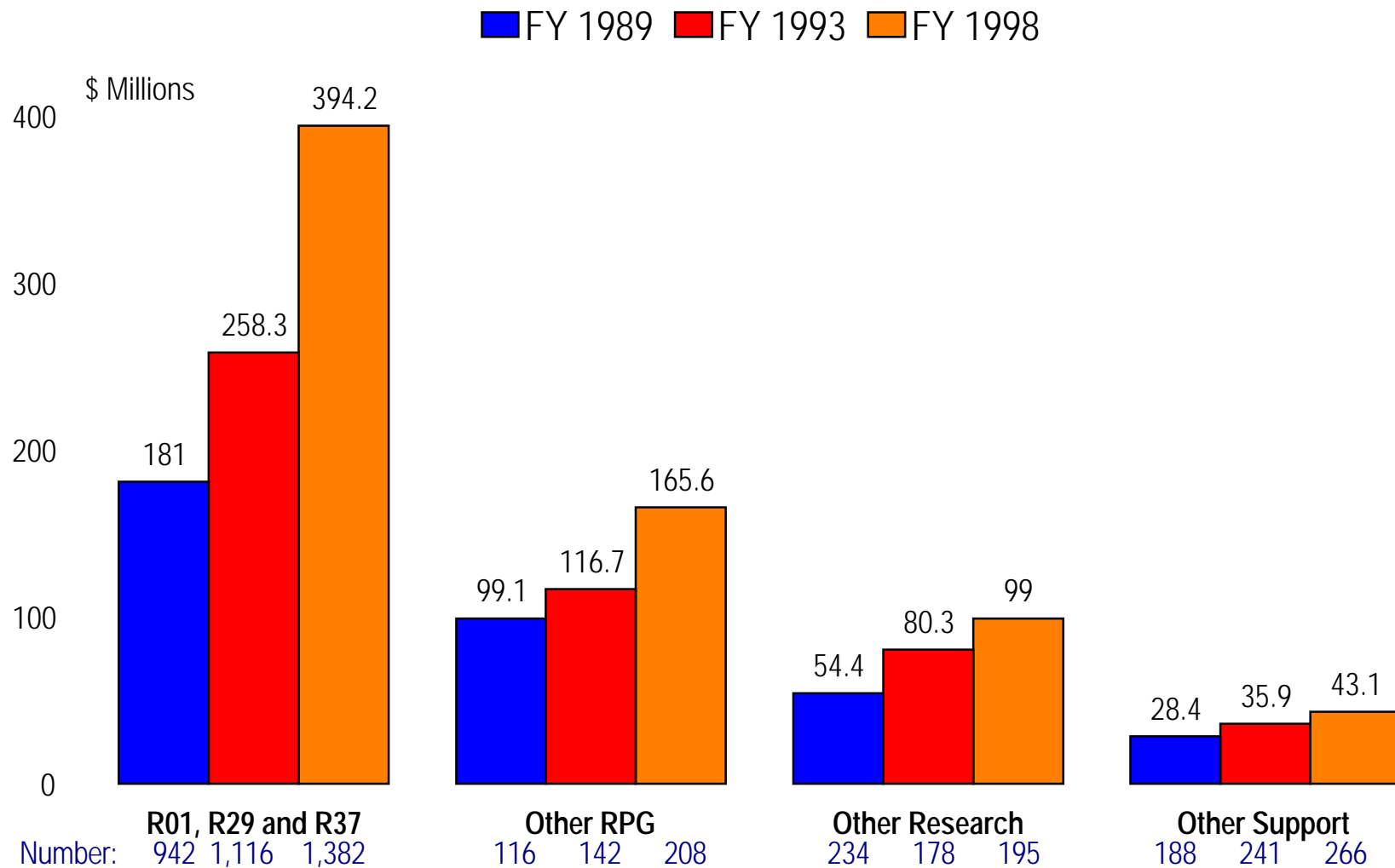
■ Research Projects ■ Research Centers ■ Other Research Grants ■ R&D Contracts ■ Training

Source: NIH/OD/OER/ORR

NIH Extramural Support to AIRI Institutions by Grant Activity

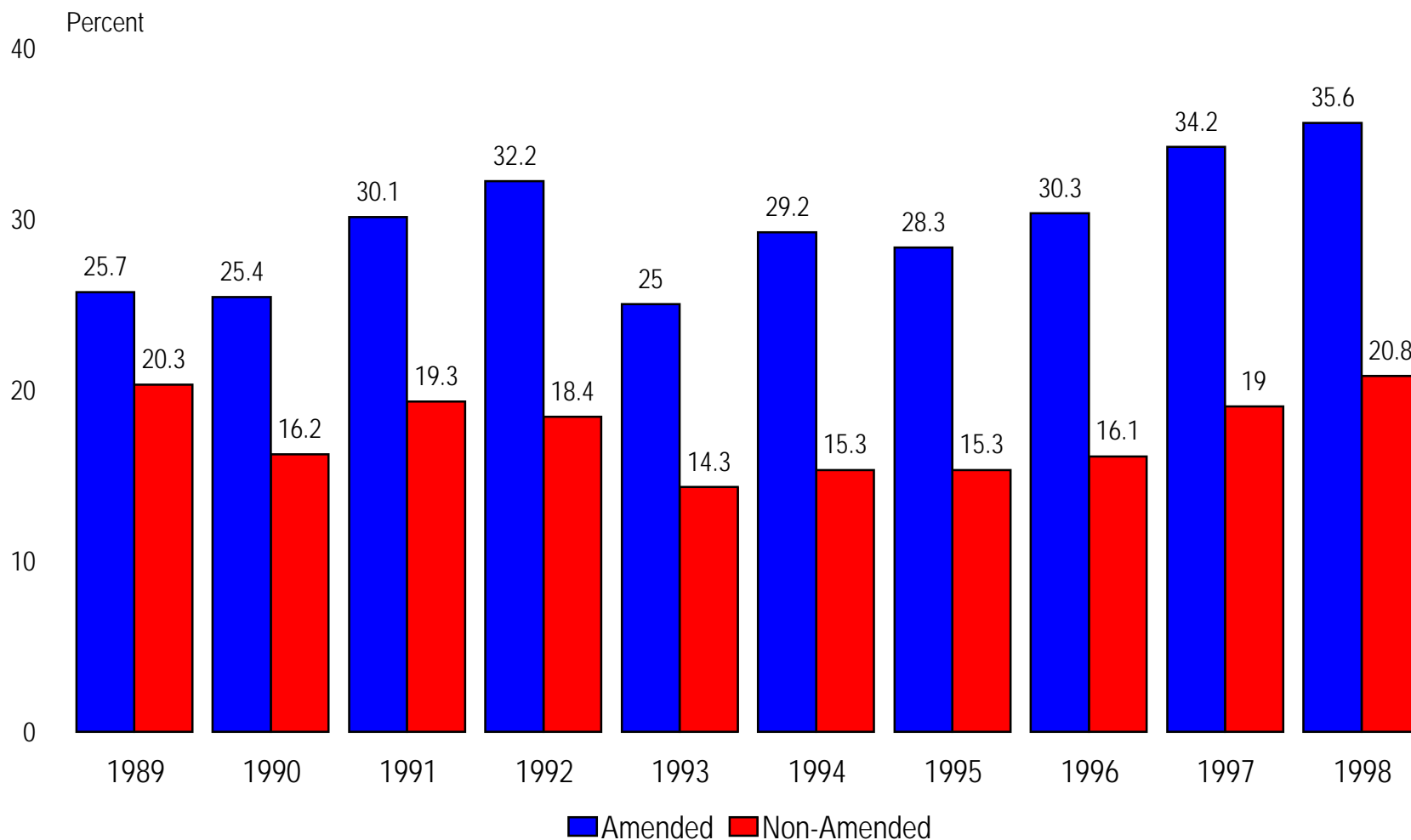


NIH Extramural Support to AIRI Institutions by Grant Activity



Success Rates for NIH Competing R01, R29, and R37 Applications by Type and Amendment Status, FY 1989-1998

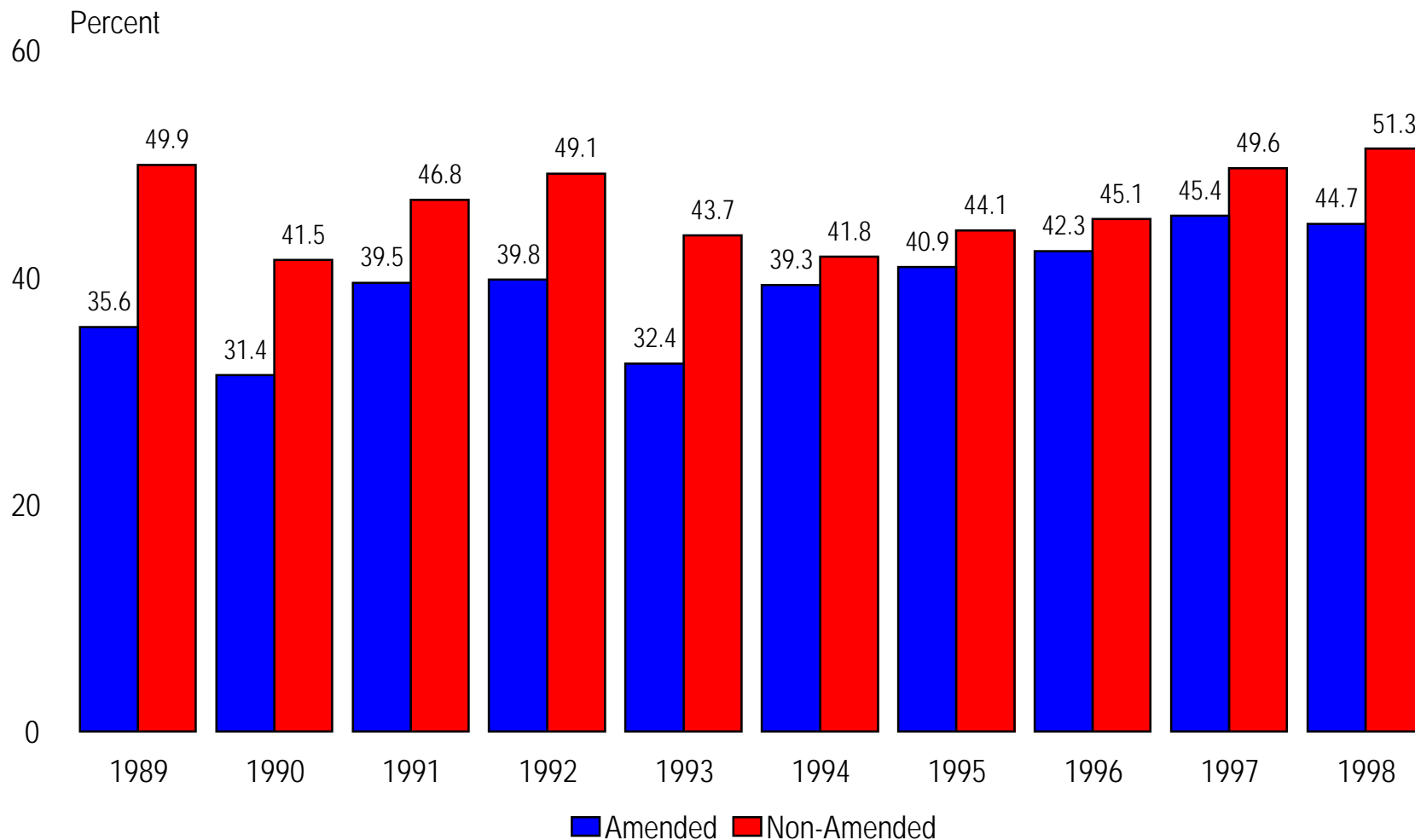
New Applications



Source: NIH/OD/OER/ORR

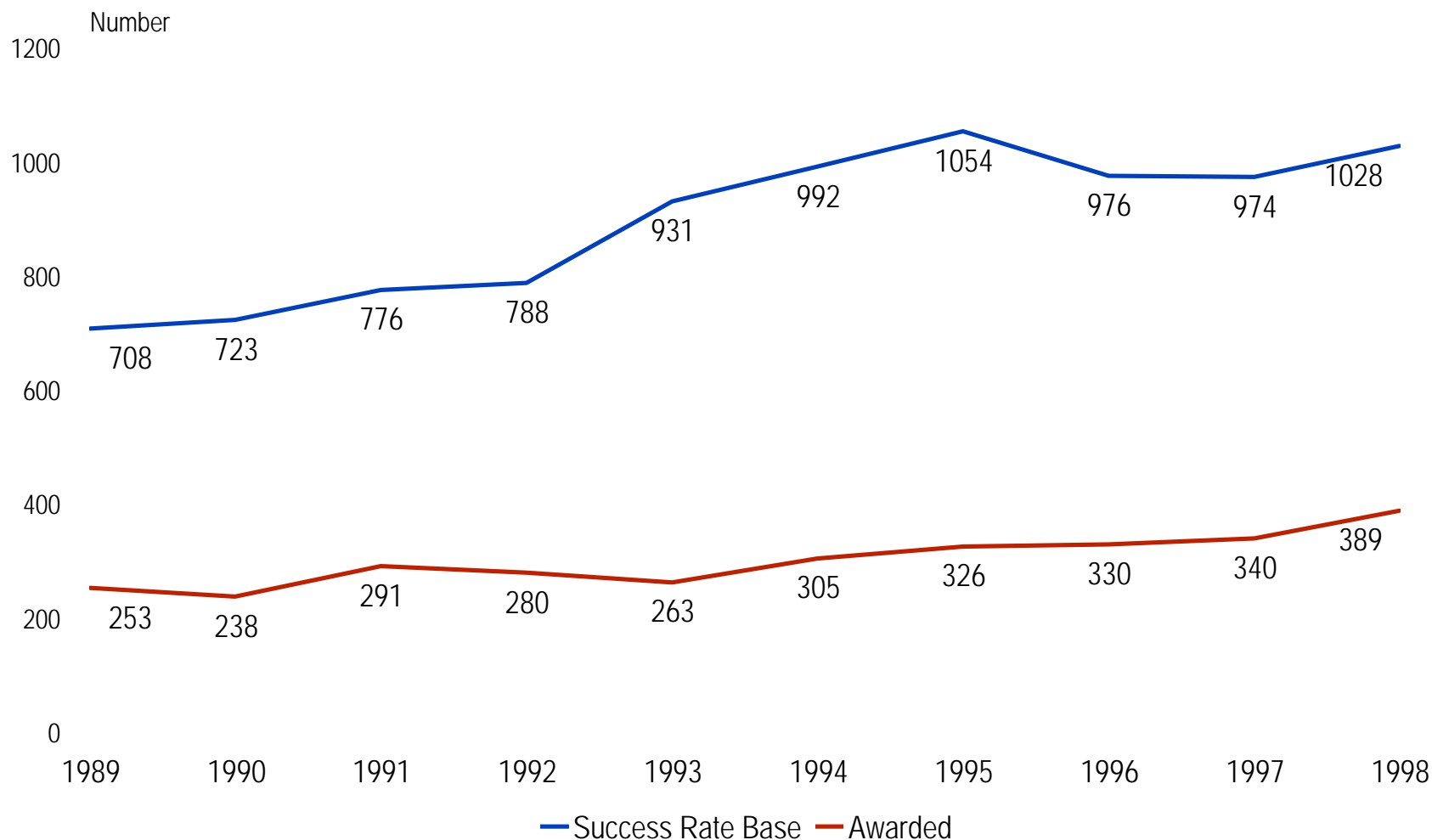
Success Rates for NIH Competing R01, R29, and R37 Applications by Type and Amendment Status, FY 1989-1998

Competing Continuations



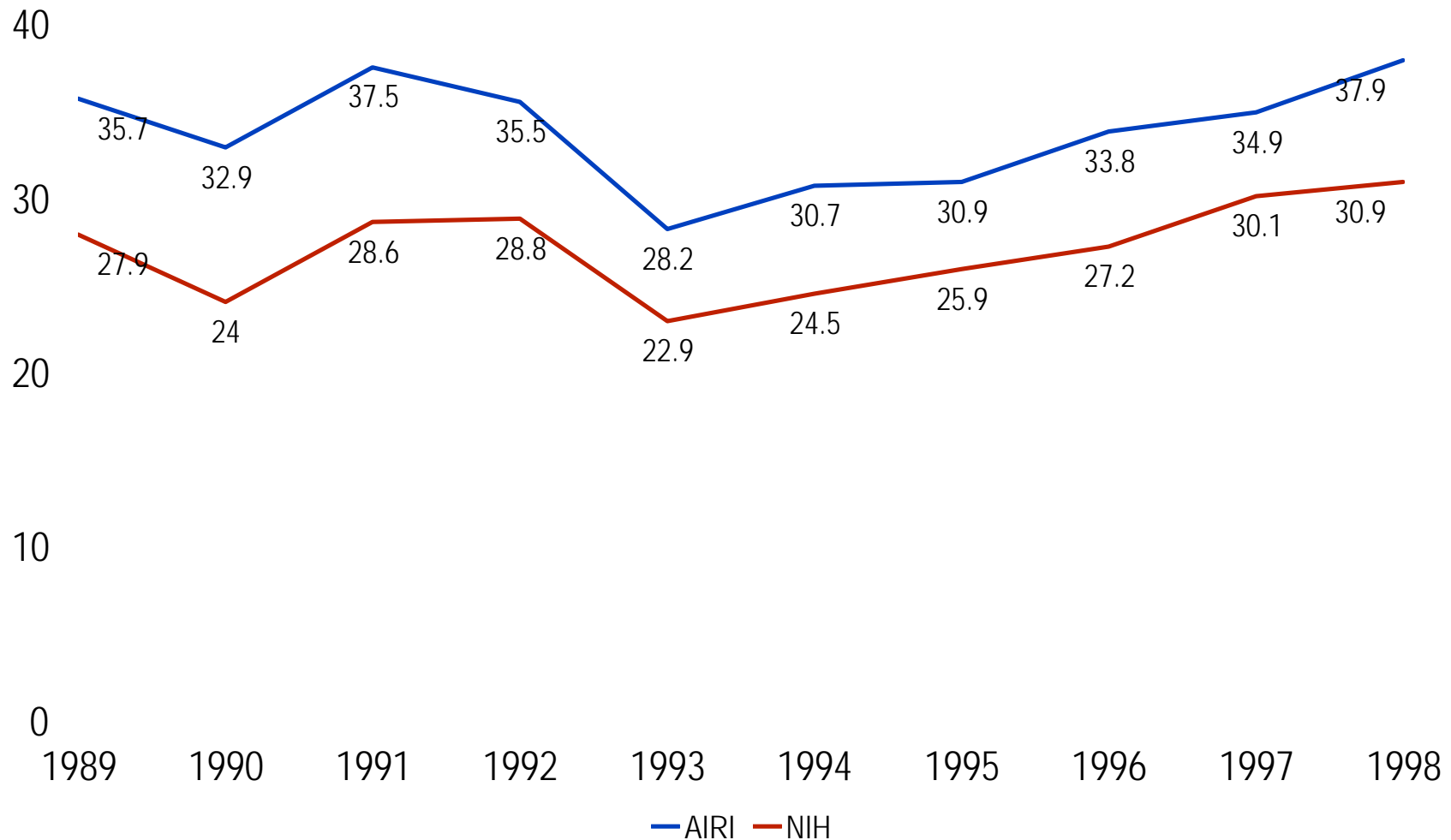
Source: NIH/OD/OER/ORA

NIH Competing Research Project Grant Applications (R01, R29, and R37) from AIRI Institutions, FY 1989-1998



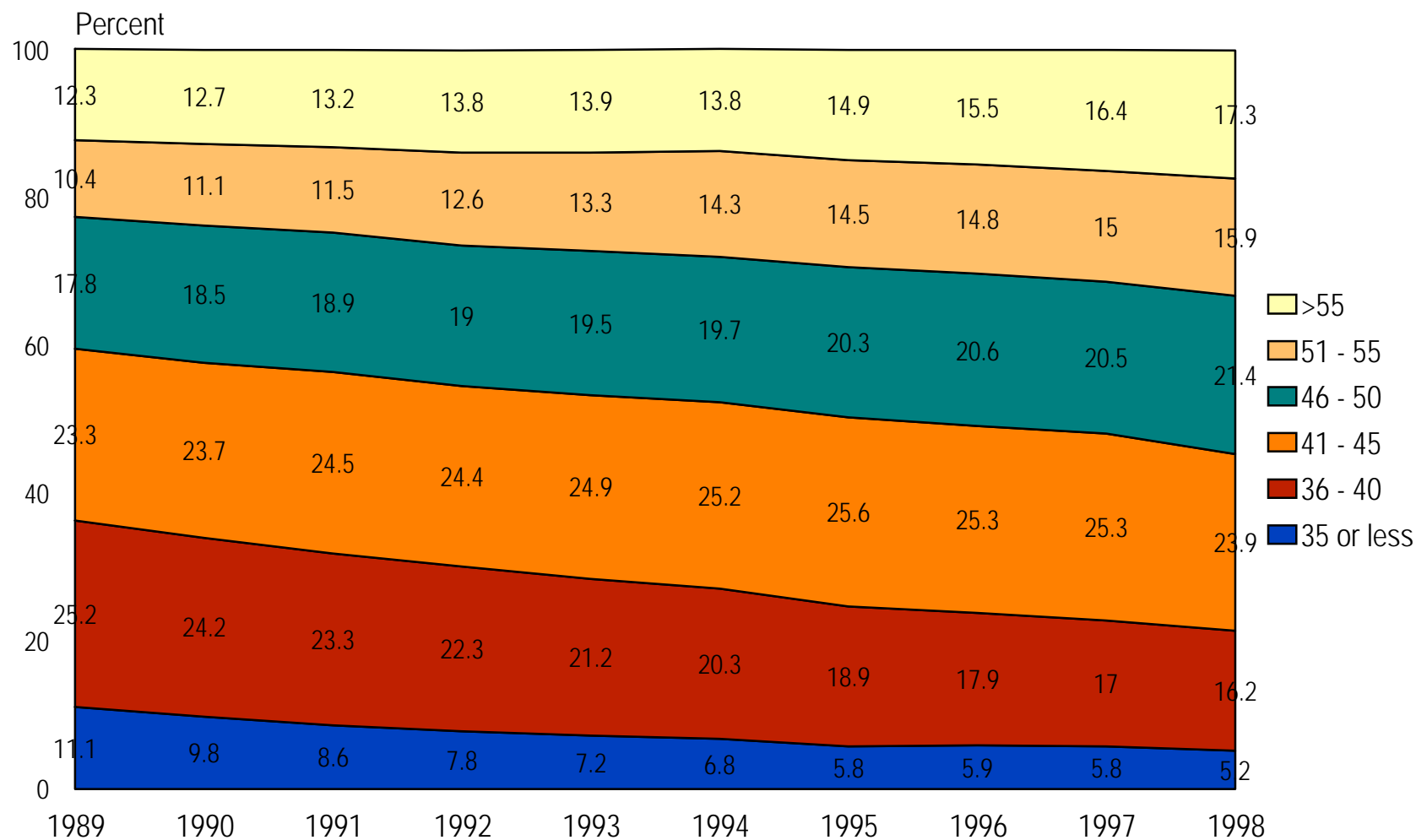
NIH Success Rate File
Source: NIH/OD/OER/ORR

Success Rates for NIH Competing Traditional Research Projects (R01, R29, and R37), FY 1989-1998

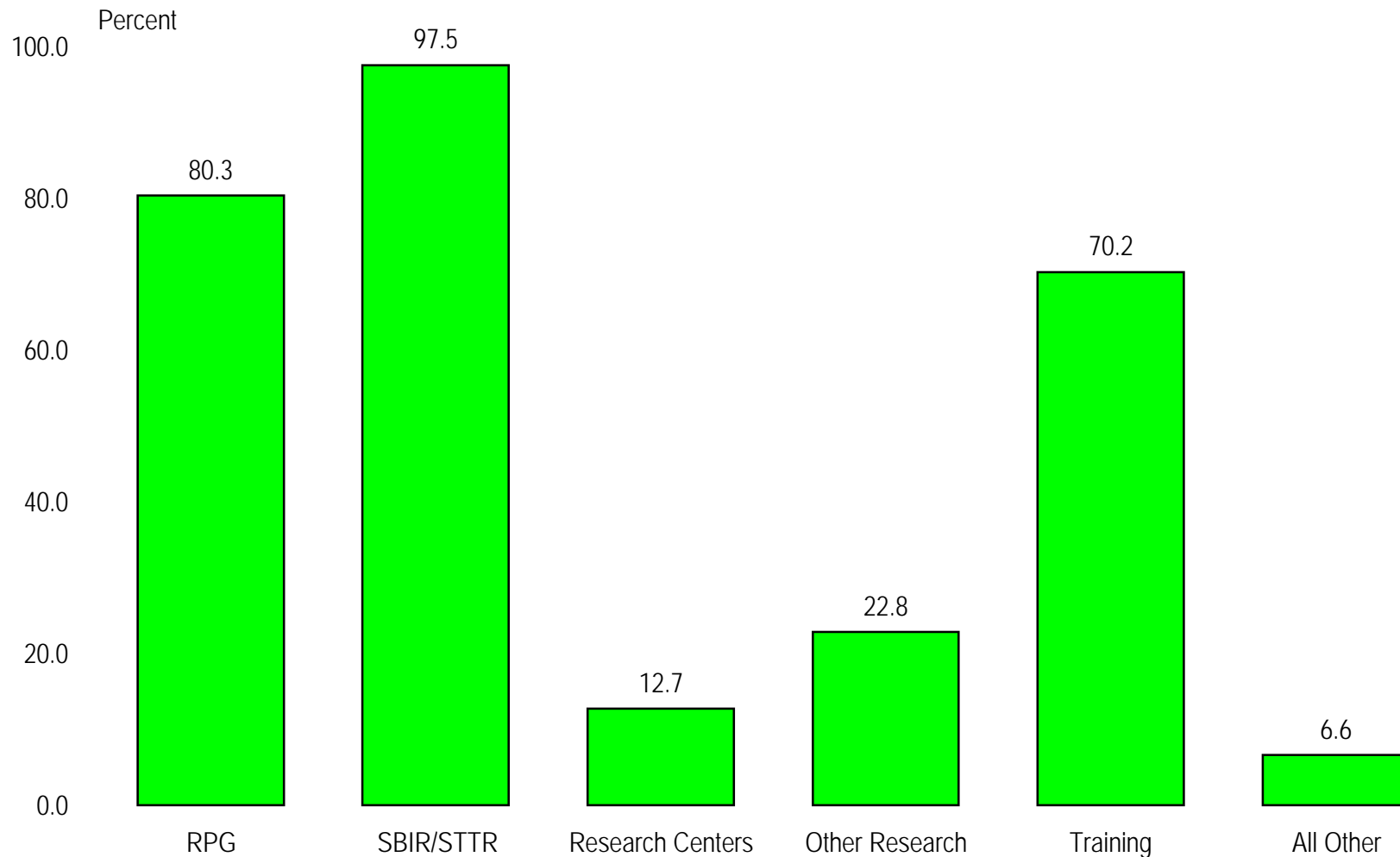


Source: NIH/OD/OER/ORR

Age Distribution of Principal Investigators for NIH Competing R01, R29, and R37 Applications, FY 1988 - 1998



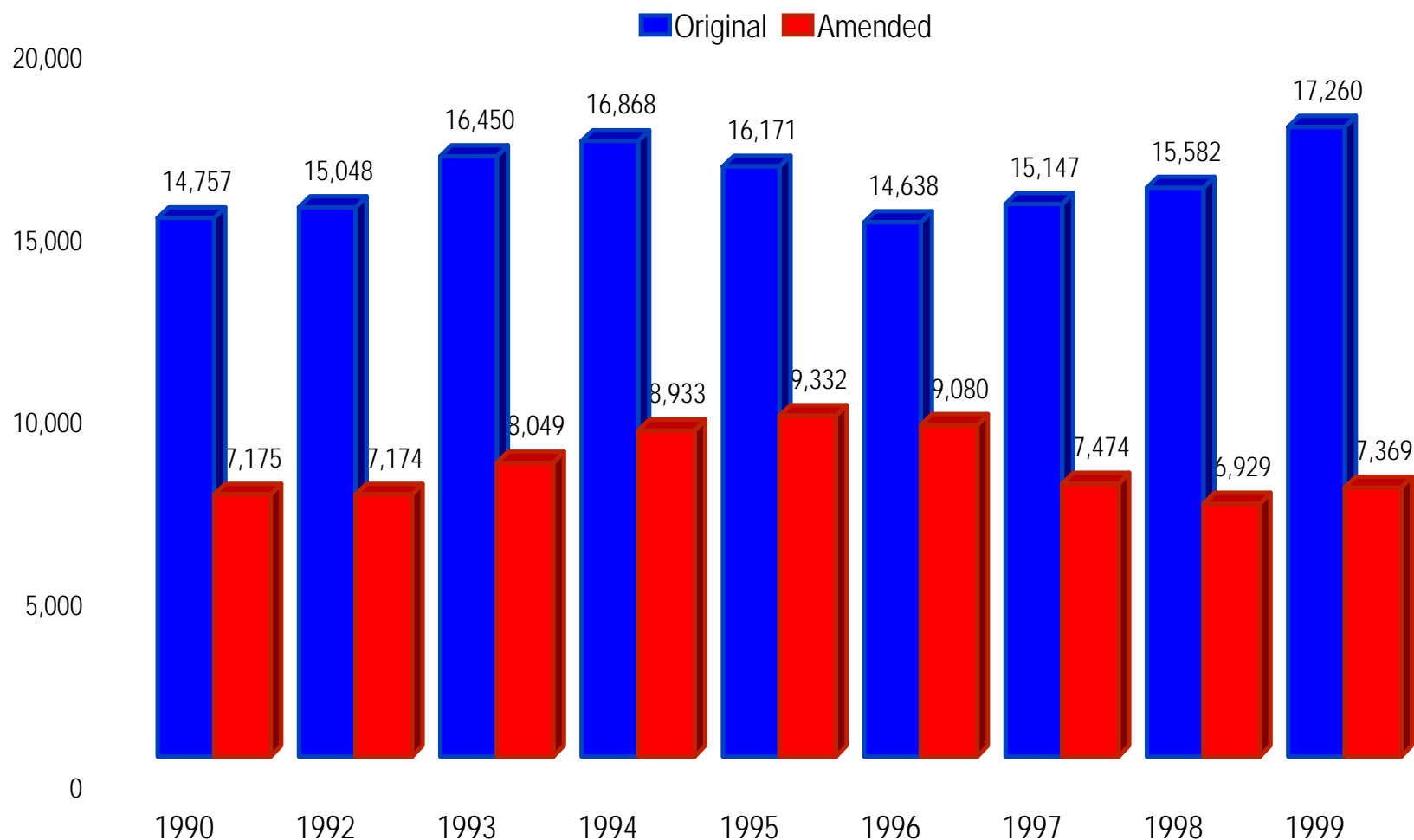
CSR Reviewed Applications as Percent of NIH Total, FY 1999*



*Summarized by fiscal year of initial review. Includes applications deferred or withdrawn prior to review; excludes supplements.

Source: NIH/OD/OER/ORR

NIH Original and Amended R01, R29, and R37 Applications,* FY 1990-1999**

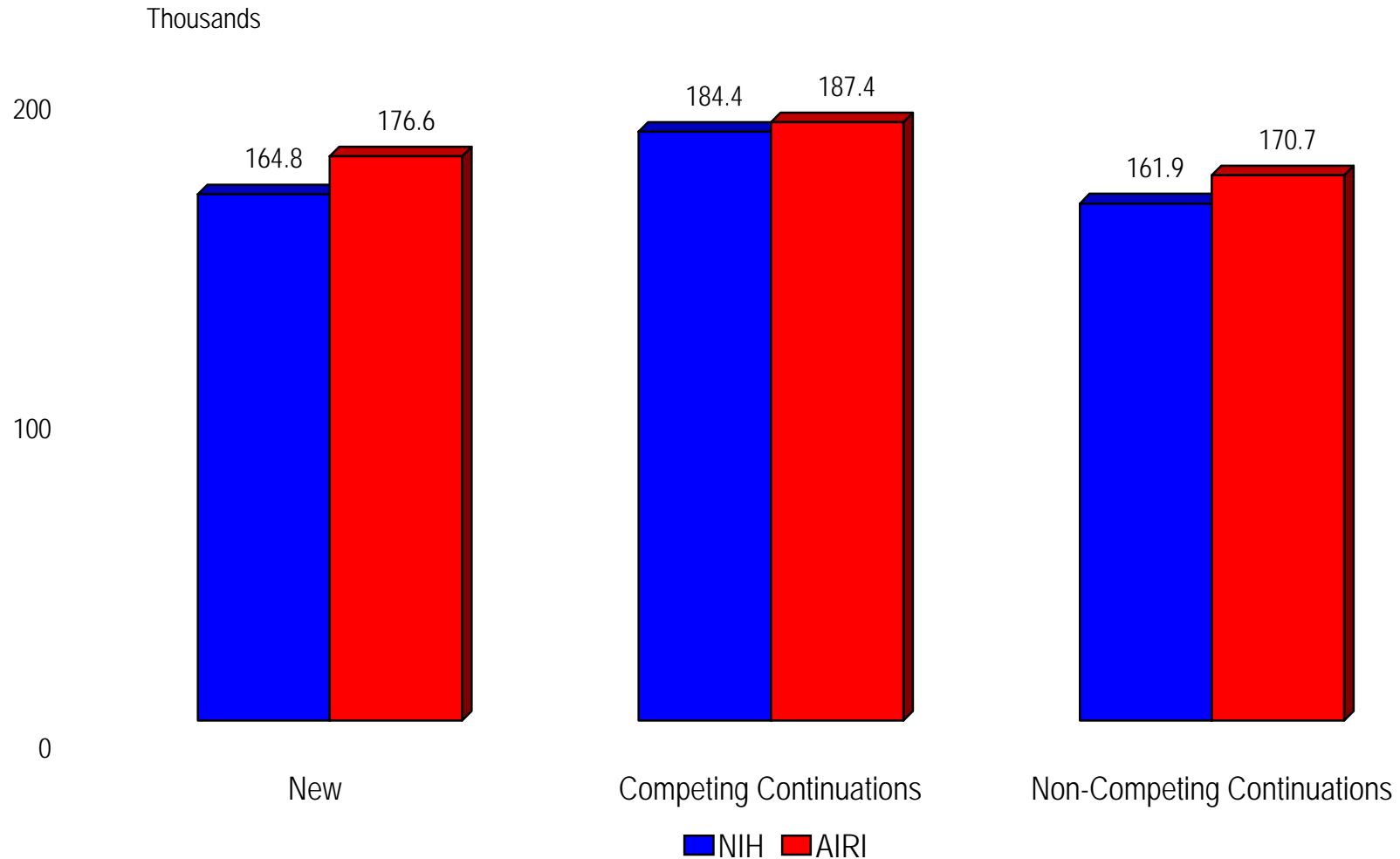


* Summarized by fiscal year of initial review. Includes applications deferred or withdrawn prior to review; excludes supplements.

**Selected years.

Source: NIH/OD/OER/ORA

Average Direct Costs for NIH Traditional Research Project Grants (R01, R29, and R37), by Type All NIH versus AIRI Institutions, FY 1998



Source: NIH/OD/OER/ORR

Average Total Costs for NIH Traditional Research Projects*, FY 1989-1998

Fiscal Year	NIH	Average	AIRI	Average
	Current	Constant	Current	Constant
1989	\$161,283	\$161,283	\$181,151	\$181,151
1990	170,254	161,838	194,919	185,284
1991	180,956	163,044	201,114	181,207
1992	190,288	163,599	214,560	184,467
1993	198,835	163,743	230,398	189,736
1994	205,996	164,062	240,931	191,886
1995	215,234	164,985	251,985	193,156
1996	224,615	166,354	261,731	193,842
1997	233,601	168,625	268,139	193,556
1998	243,541	171,011	281,638	197,763

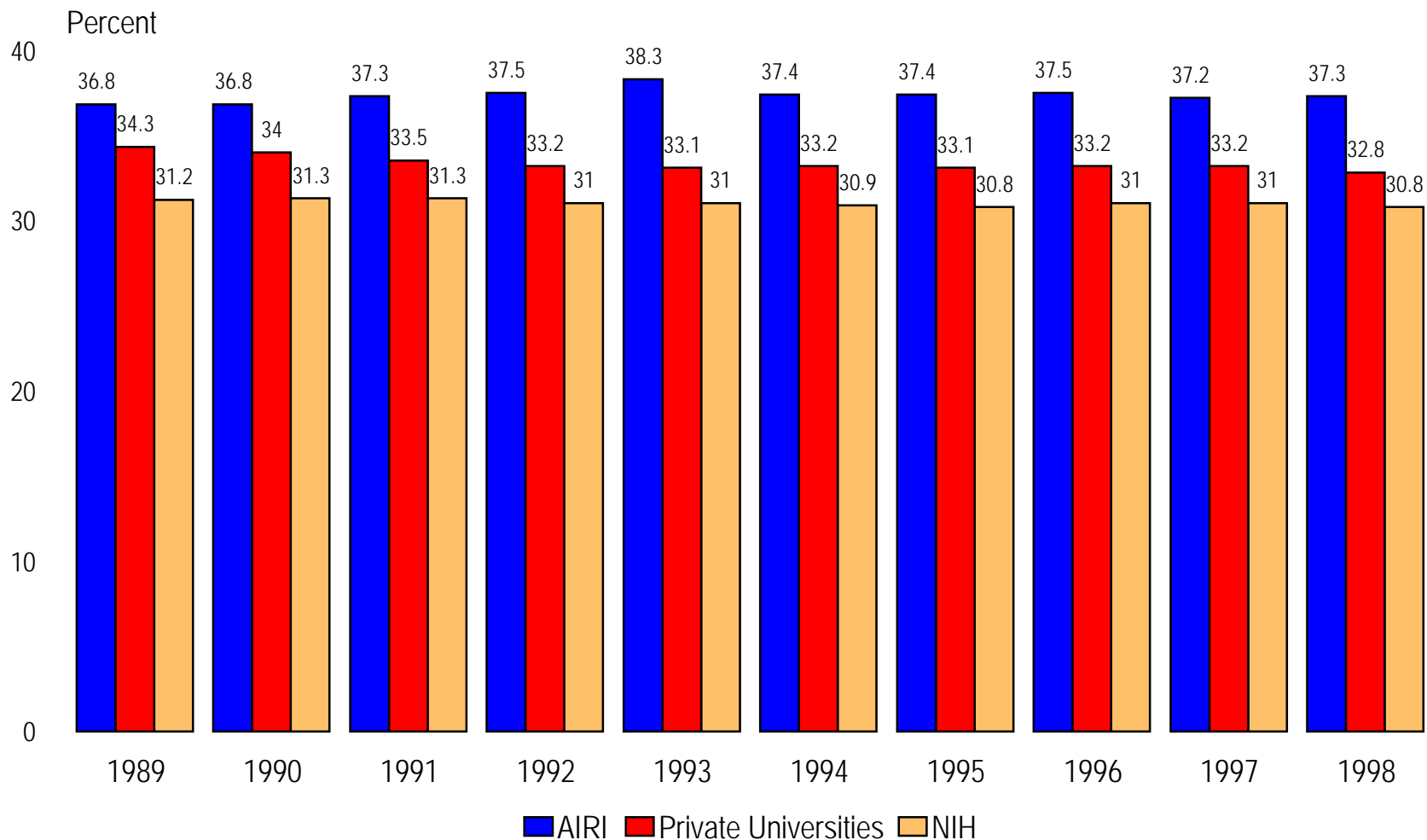
*R01, R29, and R37 awards.

Source: NIH/OD/OER/ORR

Indirect Cost as a Ratio of Indirect to Total Cost for NIH Research Grants*

FY 1989-1998

All Institutions versus AIRI Institutions and Private Universities



*Excludes foreign research grants and all mechanisms that have limited indirect cost reimbursements.

Source: NIH/OD/OER/ORR

Total NIH Awards Received by AIRI Members

FY 1989	FY 1993	FY 1998	Institution	Amount
1	1	1	Scripps Research Institute	\$112,746
3	2	2	Fred Hutchinson Cancer Research Center	99,242
2	3	3	Dana-Farber Cancer Institute	62,615
5	4	4	Salk Institute For Biological Studies	34,025
7	5	5	St. Jude Children's Research Hospital	27,293
11	8	6	Whitehead Institute For Biomedical Res	26,819
8	10	7	Jackson Laboratory	24,595
12	6	8	Fox Chase Cancer Center	23,895
6	7	9	Cold Spring Harbor Laboratory	21,388
10	11	10	Burnham Institute	18,510

Amounts are in thousands of dollars. Source: NIH/OD/OER/ORR

Total NIH Extramural Awards Received by AIRI Institutions

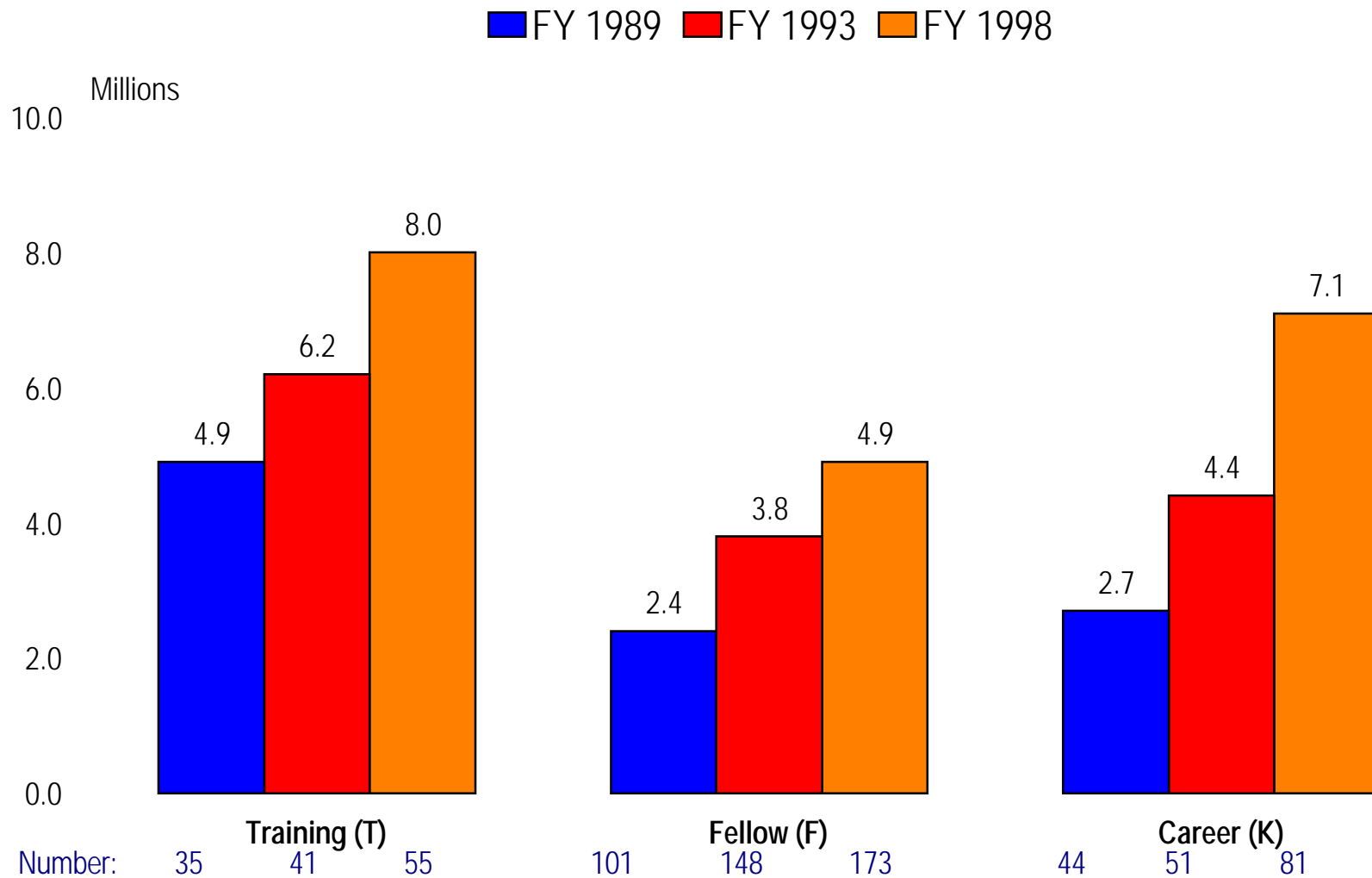
Fiscal Year 1998

I/C	Amount	I/C	Amount
Total	701,972		
NIAAA	16,055	NIGMS	64,483
NIA	12,331	NICHD	26,430
NIAID	92,383	NHGRI	23,645
NIAMS	10,565	NHLBI	74,372
NCI	226,443	NLM	2,303
NIDA	16,931	NIMH	14,958
NIDCD	9,841	NINR	718
NIDCR	8,262	NINDS	20,356
NIDDK	35,922	NCRR	18,083
NIEHS	3,583	FIC	199
NEI	18,958	OWH	5,150

Amounts are in thousands of dollars.

Source: IMPAC -- OER/OD IRS Program RFMPPKR8

NIH Training and Development Awards to AIRI Institutions



Source: NIH/OD/OER/ORR

1998 Summary

- NIH has experienced growth in excess of inflation over the past 10 years
- 6% of NIH Extramural dollars went to AIRI members, 5% went to other nonprofit research institutes
- Extramural awards to AIRI total \$702 million in 1998
- 1,028 R01, R29, and R37 applications from AIRI Institutions yielded 389 awards
- Success Rates for AIRI Institutions better than NIH total for past decade
- Average Total Research Project Grant (RPG) cost for AIRI Institutions exceeds NIH average
- Training and Development awards increased since 1989
- For a list of currently active awards, see <http://silk.nih.gov/public/cbz2zoz.@www.airi99.dsncc>
- For copies of this presentation, see <http://silk.nih.gov/public/cbz2zoz.@www.airi99.pdf>

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